

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology
Degree Examination – 13-May-2025

Time: Three Hours

Max. Marks: 100 Marks

Applied Pharmacology

Q.P. CODE: 3401

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any two)

2 x 10 = 20 Marks

1. Classify anticoagulants. Write a detailed note on heparin.
2. Classify antimicrobial agents and explain their mechanism of action giving one example each.
3. Classify antihypertensive agents. Write the mechanism of action and side effects of any one calcium channel blocks.

SHORT ESSAYS (Answer any ten)

10 x 5 = 50 Marks

4. Succinylcholine – mode of action, indication and adverse effect.
5. Enlist ACE inhibitors. Explain their mechanism of action.
6. Write a note on Chemoprophylaxis.
7. Classify antitubercular drugs.
8. Spironolactone – mode of action, indications and dose.
9. Classify Immunosuppressants.
10. Classify local anaesthetics. Write a note on lidocaine.
11. Write a note on peripherally acting muscle relaxants.
12. Write a note on drugs used in metabolic imbalance.
13. Write the mechanism of action of corticosteroids. Write in brief about hydrocortisone.
14. Theophylline – mode of action, indication and adverse effect.
15. Classify antiemetics with examples.

SHORT ANSWER (Answer any ten)

10 x 3 = 30 Marks

16. Name three lipid lowering agents.
17. Define Bioavailability.
18. Uses and adverse effects of salbutamol.
19. Contraindications of morphine.
20. Name three intravenous anaesthetics.
21. Name three antianginal drugs.
22. Enlist three cholinergic drugs.
23. Mention three drugs used in the treatment of shock.
24. Name three positive inotropic agents and its uses.
25. Medical uses of alcohol.
26. Name three Osmotic diuretics and its use.
27. Classify thrombolytics.
